### Unit Plan Template

## TECHNOLOGY INTEGRATION FOR MEANINGFUL CLASSROOM USE

A Standards-Based Approach

# Unit Plan Template

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| Unit Title:  Electricity | Related Lessons:  Microsoft PhotoStory |
| Grade:  9th | Subject(s):  Physical Science |
| GOALS | |

**Content Standards:**

**SPS10. Students will investigate the properties of electricity and magnetism.**

a. Investigate static electricity in terms of

friction

induction

conduction

b. Explain the flow of electrons in terms of

alternating and direct current.

the relationship among voltage, resistance and current.

simple series and parallel circuits.

c. Investigate applications of magnetism and/or its relationship to the movement of electrical charge as it relates to

electromagnets

simple motors

permanent magnets

Top of Form

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| --- | --- |
| **ISTE NETS-S**  1 Creativity and innovation  2 Communication and collaboration  3 Research and information fluency | 4 Critical thinking, problem-solving, & decision-making  5 Digital citizenship  6 Technology operations and concepts |

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**Instructional objective(s):**

**Students will upload and comment on images of their choice having to do with electricity. They will then use creative thinking skills to ask probing questions of their classmates concerning their images.**

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| --- | --- | --- |
| ACTION | | |
| Date | Schedule of lessons | Materials & Resources needed |
| 1 Week |  | 1. Computer   Internet Resources   1. Download Microsoft PhotoStory |
| MONITOR | | |

Assessment(s):

Students will be assessed on the electricity invention images uploaded in PhotoStory. They will also be assessed on their monologue and added text. They may even be assessed on any questions that I ask them concerning their PhotoStory.

Accommodations and extensions:

Students may upload images from other sources other than their camera or the Internet.

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| EVALUATE AND EXTEND |

Unit reflections and notes:

Students will be given one week during class time to complete this assignment. Students will work on this assignment individually.